



Client: Denali Water
Project: LS
Lab Report Number: 18-110-0201
Date: 4/25/2018

CASE NARRATIVE

Nitrate + Nitrite Nitrogen Method SM-4500NO3F

Sample 59870 (LS)

Analyte: NO₃+NO₂-N

QC Batch No: E63532/E63495

The MS/MSD recoveries are biased low relative to the spike level . RPD is based on the MS/MSD results and should be evaluated as laboratory duplicates. Possible parent sample interference.

Metals Analysis Method SW-6010C

Analyte: Ca

QC Batch No: E63541/E63487

RPD between MS/MSD results fails. RPD between calculated MS/MSD recoveries passes. Since all other QC data passes, results are acceptable.

Analyte: Fe

QC Batch No: E63534/E63487

RPD between MS/MSD results fails. RPD between calculated MS/MSD recoveries passes. Since all other QC data passes, results are acceptable.

Analyte: P

QC Batch No: E63541/E63487

RPD between MS/MSD results fails. RPD between calculated MS/MSD recoveries passes. Since all other QC data passes, results are acceptable.

Analyte: S

QC Batch No: E63534/E63487

RPD between MS/MSD results fails. RPD between calculated MS/MSD recoveries passes. Since all other QC data passes, results are acceptable.

Analyte: Zn

QC Batch No: E63541/E63487

The MS/MSD recoveries are considered insignificant due to the level of analyte present in the parent sample relative to the spike level . RPD is based on the MS/MSD results and should be evaluated as laboratory duplicates.

Solids Total Mercury Analysis - CVAA Method SW-7471B

Analyte: Hg

QC Batch No: E63551/E63536

MS/MSD Recovery failed, PDS confirmed matrix interference

Report Number: 18-110-0201

Account Number: 11035



7621 Whitepine Road, Richmond, VA 23237
Main 804-743-9401 ° Fax 804-271-6446
www.waypointanalytical.com

Send To: Denali Water
Cindy Duenes
2001 Key Street
Colton , CA 92324

Project : LS

Lab Number : 59870

Sample Id : LS

REPORT OF ANALYSIS

Date Sampled: 4/17/2018 11:00:00

Date Received: 04/20/2018 00:00

Date Reported: 04/27/2018

PARAMETER	RESULT (%)	RESULT (mg/kg)	QUANTITATION LIMIT (mg/kg*)	ANALYST	ANALYSIS DATE/TIME	METHOD
Total Solids *	15.72	157200	100.0	R D	04/20/2018 15:50	SM-2540G
Moisture *	84.27		100.0	R D	04/20/2018 15:50	SM-2540G
Total Kjeldahl Nitrogen	7.12	71200	50.0	R D	04/20/2018 09:00	SM-4500-NH3C-TKN
Total Phosphorus	1.38	13800	100	SMC	04/24/2018 20:21	6010C
Total Potassium	0.08	848	100	SMC	04/26/2018 15:22	6010C
Total Sulfur	1.44	14400	100	SMC	04/23/2018 17:53	6010C
Total Calcium	2.56	25600	100	SMC	04/24/2018 20:21	6010C
Total Magnesium	0.27	2700	100	SMC	04/23/2018 17:53	6010C
Total Sodium	0.16	1610	100	SMC	04/23/2018 17:53	6010C
Total Iron		10500	100	SMC	04/23/2018 17:53	6010C
Total Aluminum		2740	100	SMC	04/23/2018 17:53	6010C
Total Manganese		181	5.00	SMC	04/23/2018 17:53	6010C
Total Copper		359	5.00	SMC	04/23/2018 17:53	6010C
Total Zinc		953	5.00	SMC	04/23/2018 17:53	6010C
Ammonia Nitrogen	1.50	15000	50.0	JM	04/23/2018 09:00	SM-4500-NH3C
Organic N	5.62	56200	50.0		04/20/2018 09:00	CALCULATION
Nitrate+Nitrite-N		<2.28	2.28	MMT	04/24/2018 09:45	4500NO3F-2011

All values are on a dry weight basis except as noted by asterisk. Detection limit on all N series is on a wet basis.

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A handwritten signature in black ink that reads "Pauric McGroary".

Pauric McGroary
Agronomist

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REPORT OF ANALYSIS

Date Sampled: 4/17/2018 11:00:00

Date Received: 04/20/2018 00:00

Date Reported: 04/27/2018

PARAMETER	RESULT (%)	RESULT (mg/kg)	QUANTITATION LIMIT (mg/kg*)	ANALYST	ANALYSIS DATE/TIME	METHOD
Total Cadmium		<2.00	2.00	SMC	04/23/2018 17:53	6010C
Total Chromium		21.9	5.00	SMC	04/23/2018 17:53	6010C
Total Nickel		15.8	5.00	SMC	04/23/2018 17:53	6010C
Total Lead		12.7	5.00	SMC	04/23/2018 17:53	6010C
Total Arsenic		4.76	3.00	SMC	04/23/2018 17:53	6010C
Total Mercury		0.481	0.400	SMC	04/24/2018 15:39	SW-7471B
Total Selenium		8.41	5.00	SMC	04/23/2018 17:53	6010C
Total Molybdenum		11.7	5.00	SMC	04/23/2018 17:53	6010C

Comments:

AZ CERT#0629

AMMONIA-N, SULFUR NOT FOR COMPLIANCE PURPOSES

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A handwritten signature in black ink that reads "Pauric McGroary".

Pauric McGroary
Agronomist



SAMPLE TRANSMIT

A&L

7621 Whitepine Road Richmond VA 23



18-110-0201
11035
04-20-2018
12:24:51

istern.com

Account #
11035

Submitted By

Copy To

Denali Water Solutions

Denali Water Solutions

2001 Key Street

2001 Key Street

chrisamarks@comcast.net

Colton CA 92324

Colton CA 92324

ifsaint@gmail.com

Project

Sample Information

Sample ID	Lab Number (Lab Use Only)	Collection Information			Container Information			Please Check Desired Tests								Test Package	
		Type	Date	Time	Number of Bottles	Type	Volume	SL1	SL2	503 Metals	Nitrogen Series	pH	CCE	Ag	Cl		Volatile Solids
LS	19870	<input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite	4/17/2018	1100	1	<input type="checkbox"/> Glass <input checked="" type="checkbox"/> Plastic	oz <input type="checkbox"/> pint <input checked="" type="checkbox"/> qt										SLSOSO
MBC		<input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite	4/17/2018	1200	1	<input type="checkbox"/> Glass <input checked="" type="checkbox"/> Plastic	oz <input type="checkbox"/> pint <input checked="" type="checkbox"/> qt										SLSOSO
SLR		<input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite	4/17/2018	1130	1	<input type="checkbox"/> Glass <input checked="" type="checkbox"/> Plastic	oz <input type="checkbox"/> pint <input checked="" type="checkbox"/> qt										SLSOSO
RIV		<input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite	4/17/2018	1400		<input type="checkbox"/> Glass <input checked="" type="checkbox"/> Plastic	oz <input type="checkbox"/> pint <input checked="" type="checkbox"/> qt										SLSOSO

Relinquished By: (Signature)	Date	Time	Received By: (Signature)	Date	Time
Joel Santos (signature)	4/18/2018	1200			
<i>Joel Santos</i>	4/18/18		<i>JS</i>		

Test Package Details

SL1: Total Solids (Moisture) Total Kjeldahl Nitrogen, Phosphorus and Potassium
SL2: Basic Test SL1 plus Sulfur, Calcium, Magnesium, Sodium, Iron, Aluminum, Manganese, Copper And Zinc
503 Metals: Arsenic, Cadmium, Chromium, Mercury, Molybdenum, Lead, Nickel, Selenium.
(Copper & Zinc included in SL2)
Nitrogen Series: Total Kjeldahl, Ammonium, Nitrate & Organic Nitrogen.
CCE: Calcium Carbonate Equivalent or Total neutralization Value (For Lime Treated Sludge)

Special Instructions or Remarks

Emuel CC at 3pm